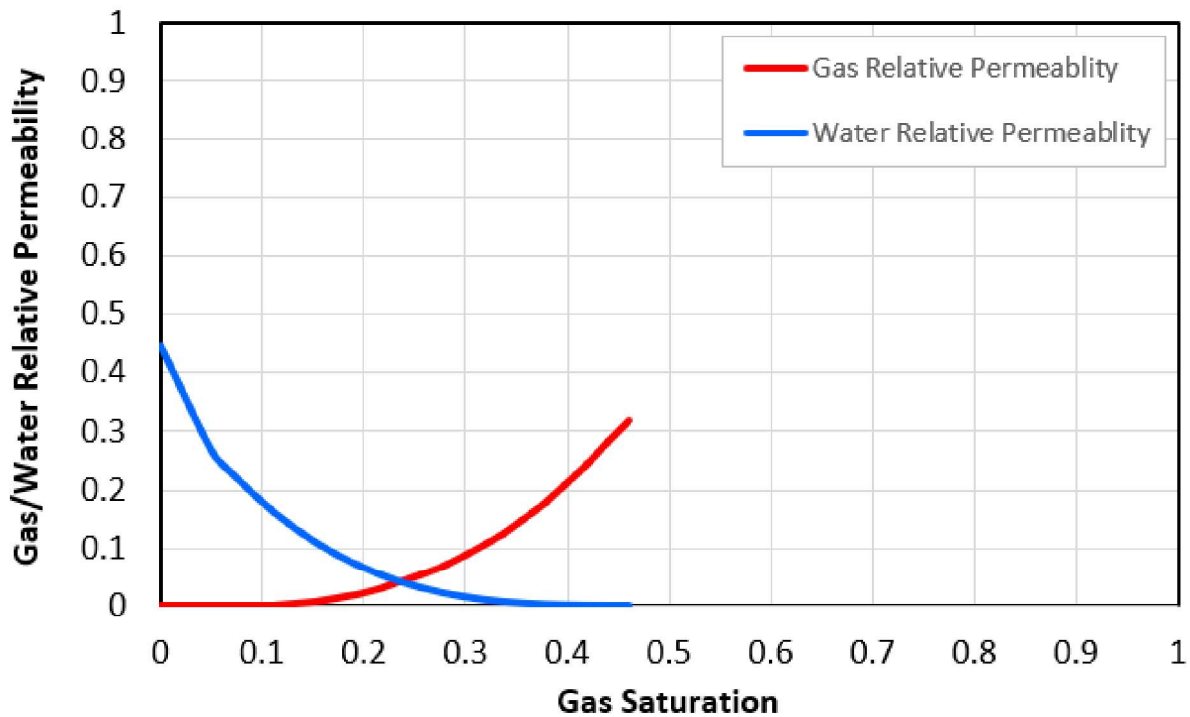


## RELATIVE PERMEABILITY

### CTV II

#### Relative Permeability

With gas and water present in the reservoir only, one set of two-phase relative permeability relationships is needed to determine the flow characteristics of each component and/or phase, where  $K_{rw}$  (water relative permeability) and  $K_{rg}$  (gas relative permeability) is a function of gas saturation. Relative permeability data acquired from core flood of well [REDACTED], two of three samples results used for normalizing, averaging and denormalizing process. Corey correlation used to smooth the final curves. **Figure 3.10** shows the relative permeability curves used in the computational model.



**Figure 1.** Relative permeability curves for Gas-Water System.